

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for exposing an image sensor, comprising:
taking multiple color data readings with a series of sensing elements in one collecting location during a single exposure, wherein the taking comprises directing light successively to the sensing elements of the series of sensing elements within one exposure, the directing via reflective optics;
determining a sensing element of the series of sensing elements is defective, wherein the sensing element is associated with a color;
redirecting light to align a non-defective sensing element of the series of sensing elements with the one collecting location, wherein the non-defective sensing element is associated with the color;
associating the one collecting location with a pixel position in an image to be portrayed; and
determining a color value for the pixel position in the image based on the multiple color data readings.
2. (canceled)
3. (original) The method of claim 1, wherein taking comprises taking multiple color data readings with more than one sensing elements, wherein the more than one sensing elements comprise color filters selected from a group of color filters comprising red, green, blue, cyan, orange, yellow, magenta, or clear.

4. – 6. (canceled)

7. (previously presented) The method of claim 1, wherein determining a color value comprises calculating the color value with at least one of the multiple color data readings.

8– 21. (canceled)

22. (previously presented) The method of claim 1, wherein the directing comprises directing light to the series of sensing elements successively within one exposure, the directing via a digital micromirror and control circuitry.

23. (previously presented) The method of claim 1, wherein:
the taking comprises taking multiple color data readings with a series of sensing elements of an array, the array comprising an image sensor;
the array contains extra rows and columns of sensing elements forming an outline around the edges of the array; and
the taking comprises taking fewer data readings during an exposure with one or more sensing elements of the outline than with sensing elements of the interior of the array.

24-25. (canceled)